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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Brent C. Hawks

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03/19/2008

KONRAD RAYNES & VICTOR, LLP

ATTN: IBM54

315 SOUTH BEVERLY DRIVE, SUITE 210

BEVERLY HILLS, CA 90212

EXAMINER

MIRZA, ADNAN M

ART UNIT

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 09/579,864	Applicant(s) HAWKS ET AL.	
	Examiner ADNAN M. MIRZA	Art Unit 2145	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 January 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stedman et al (U.S. 6,081,837), Imai et al (U.S. 6,148,334) and Buckley et al (U.S. 6,035,327).

As per claims 1,2,15 Stedman disclosed a method providing information describing a file system connection between a local file system located on local system and a host file system located on a host system, said method comprising: encoding a local system data structure comprising at least one tag representing the local file system; encoding a host system data structure comprising at least one tag representing the host file system, and encoding a mapping data structure comprising at least one tag representing a mapping between a file in the local file system and a file in the host file system and a transfer type that defines a data format for transferring data between the host system and the local system to support remote editing of files in the host file system from the local file system,; and mapping data structure forms a file system connection descriptor; and using the file system connection descriptor to access the host file indicated in the mapping data structure.

However Stedman did not disclose, “wherein the tags are in a meta language format, and wherein each tag has an identifier and a set of one or more attributes and wherein the encoded local system data structures, host system data structure, host system data structure, host system data structure, and mapping data structure forms a file system connection descriptor”.

In the same field of endeavor Imai disclosed the description of the URL of the concatenated file is given in a form of being enclosed by a special tag called <PREFETCH ARCHIVE>. In such case, when the file requesting client requests the requested file and the requested file is received from the file server that requested file is displayed at the viewer of the file requesting client. In addition the viewer also detects the URL of the concatenated file which is enclosed by the special tag and described within the requested file and this concatenated file is requested to the file server (col. 15, lines 44-54). In a currently preferred architecture, the client computer is linked to the server computer by the Internet, or a -local area network, the server computer is linked to the host computer by an SNA network, and the host computer sends data to the server computer in a PS data stream. The server computer receives data from the host computer that represents a host computer display screen having function key capable fields and an associated partial list of items (col. 2, lines 55-63).

It would have been obvious to one having ordinary skill in the art at the time of the invention it was made to have incorporated the description of the URL of the

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concatenated file is given in a form of being enclosed by a special tag called <PREFETCH ARCHIVE>. In such case, when the file requesting client requests the requested file and the requested file is received from the file server that requested file is displayed at the viewer of the file requesting client. In addition the viewer also detects the URL of the concatenated file which is enclosed by the special tag and described within the requested file and this concatenated file is requested to the file server (col. 15, lines 44-54). In a currently preferred architecture, the client computer is linked to the server computer by the Internet, or a -local area network, the server computer is linked to the host computer by an SNA network, and the host computer sends data to the server computer in a PS data stream. The server computer receives data from the host computer that represents a host computer display screen having function key capable fields and an associated partial list of items as taught by Imai in the method of Stedman to reduce the latency by transferring multiple files immediately in response to a client's request while making connection to the network. Also by specifying the needed file for later while making connection to the network will result in increase productivity and reducing cost.

However Stedman-Imai did not disclosed, "to support remote editing of files in the host file system from the local file system and wherein the tags are in a meta language format, and wherein each tag has an identifier and a set of one or more attributes and wherein the encoded local system data structures, host system data structure, host system data structure, host system data structure, and mapping data structure forms a file system connection descriptor".

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In the same field of endeavor Buckley disclosed, “ one embodiment of an encoder suitable for use with the present invention to encode additional data that will be sent to a receiving server as a part of the designated protocol, is presented. The process begins with decision block 248 which waits until a property exists that should be encoded. Step 250 then emits into the encoded data stream the number of the properties that are encoded in this extension data sub-packet. In one embodiment, the number of the properties is presented by a DWORD. Execution then proceeds to steps 252 where the property tag code for next property in line is emitted. As explained in greater detail in conjunction with a detailed example presented below, a property tag has two portions. The first portions comprises an identifier for the property name. Such an identifier may be an identifier that can be uniquely associated with the property (col. 19, lines 1-16).

It would have been obvious to one having ordinary skill in the art at time of the invention was made to have incorporated,” one embodiment of an encoder suitable for use with the present invention to encode additional data that will be sent to a receiving server as a part of the designated protocol, is presented. The process begins with decision block 248 which waits until a property exists that should be encoded. Step 250 then emits into the encoded data stream the number of the properties that are encoded in this extension data sub-packet. In one embodiment, the number of the properties is presented by a DWORD. Execution then proceeds to steps 252 where the property tag code for next property in line is emitted. As explained in greater detail in conjunction with a detailed example presented below, a property tag has two portions. The first portions comprises an identifier for the property name. Such an identifier may be an identifier that can be

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uniquely associated with the property as taught by Buckley in the method and system of Stedman-Imai to reduce the latency by transferring multiple files immediately in response to a client's request while making connection to the network. Also by specifying the needed file for later while making connection to the network will result in increase productivity and reducing cost.

8. As per claims 3,16 Stedman-Imai-Buckley wherein the mapping data structure comprises: a local file extension data structure storing a local file extension; a host file pattern data structure storing a pattern describing a host file to which the file extension will be applied (Imai, col. 22, lines 16-53); and a transfer type data structure storing a transfer type that defines how data will be transferred between the host system and the local system for this mapping (Imai, col. 28, lines 38-65).

9. As per claims 4,22,29 Stedman-Imai-Buckley disclosed wherein the mapping data structure further comprises: a host code page data structure storing an identification of a host code page in which data in the host file is encoded; and a local-code page data structure storing an identification of a local code page in which data in a local file is encoded (Imai, col. 27, lines 23-53).

10. As per claims 5,11,18,23,26 Stedman-Imai-Buckley wherein the host system data structure comprises: a data structure storing an identification of the host system; a data structure storing an identification of a user of the host system (Imai, col. 22, lines 17-53);

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a data structure storing an identification of a preferred drive on the local system (Imai, col. 7, lines 45-57); and a data structure storing an indication that the preferred drive be automatically connected by default when a remote connection is established with the host system (Stedman, col. 19, lines 5-40).

11. As per claims 6,12,19,24,27 Stedman-Imai-Buckley disclosed wherein the host system data structure further comprises data storing an identification of a list of qualifier data structures, wherein each qualifier data structure stores a qualifier name, a name identifying directory on the host system (Imai, col. 7, lines 43-57), and an identification of the file attributes of a file located in the host system directory (Imai, col. 8, lines 40-64).

12. As per claims 7,13,20,25,30 Stedman-Imai-Buckley disclosed the file system connection descriptor encoded in a tagged meta language document comprising one or more tags, each tag having an identifier and a set of one or more attributes (Imai, col. 15, lines 40-57).

13. As per claims 8,14,21 Stedman-Imai-Buckley disclosed wherein the tagged meta language is Extensible Markup Language (XML) (Stedman, col. 19, lines 53-67).

14. As per claim 9 Stedman-Imai-Buckley disclosed wherein the mapping data structure comprises a local file extension data structure storing a local file extension; a

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host file pattern data structure storing a pattern describing a host file to which the local file extension will be applied (Buckley, col. 19, lines 1-15).

15. As per claims 10,17,28 Stedman-Imai-Buckley disclosed wherein the mapping data structure further comprises a host codepage data structure storing an identification of a host codepage in which data in the host file is encoded; and a local-codepage data structure storing an identification of a local codepage in which data in a local file is encoded (Imai, col. 4, lines 29-42).

16. As per claim 20 Stedman-Imai-Buckley disclosed wherein the file system connection descriptor is encoded in a tagged meta language document comprising one or more tags, each having an identifier and a set of one or more attributes (Harvey, col. 22, lines col. 19, lines 59-67).

17. As per claims 22,25,28 Stedman-Imai-Buckley disclosed wherein a first transfer type indicates to transfer one file unmodified between the host file system and the local file system and wherein a second transfer type indicates to translate text in the file to transfer from the host files system to the local file system (Buckley, col. 19, lines 1-16).

18. As per claims 23,26,29 Stedman-Imai-Buckley disclosed wherein the first transfer type comprises a binary transfer type and wherein the second transfer type comprises a text transfer type (Stedman, col. 8, lines 34-49).

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19. As per claims 24,27,30 Stedman-Imai-Buckley disclosed wherein a host and local code pages are used to translate text for the text transfer type (Stedman, col.7, lines 22-41).

Response to Arguments

20. Applicant's arguments with respect to claim 1-30 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

22. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Adnan Mirza whose telephone number is (571)-272-3885.

23. The examiner can normally be reached on Monday to Friday during normal business hours. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on (571)-272-3933. The fax for this group is (703)-746-7239. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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24. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for un published applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866)-217-9197 (toll-free).

Adnan Mirza

/A. M. M./

Examiner, Art Unit 2145

/Jason D Cardone/
Supervisory Patent Examiner, Art Unit 2145